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In this paper, we describe a system and architecture for building and re-  
 building a user interface between a user and a computer. The system is designed to allow a user  
 to build a user interface and then remotely make queries about ...

**Keywords:** VoiceXML, information access, shared context, software arc  
 hitectures, voice user interfaces

**2** [Designing dynamic web pages and persistence in the WYSIWYG int](#) [David Wolber](#), [Yingfeng Su](#), [Yih Tsung Chiang](#)January 2002 **IUI '02**: Proceedings of the 7th international conference on I**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (132.75 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 31, Download

WebSheets is a *programming in the WYSIWYG interface* tool for building  
 and modifying databases. Without programming, designers can specify not only  
 static content as well. This capability ...

**Keywords:** HTML, PBE, QBE, dynamic web pages, spreadsheets

**3** [ODE: Ontology-assisted data extraction](#) [Weifeng Su](#), [Jiying Wang](#), [Frederick H. Lochovsky](#)June 2009 **Transactions on Database Systems (TODS)**, Volume 34 Issue**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (1.22 MB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 43, Downloads (12 Months): 259, Downl

Online databases respond to a user query with result records encoded in  
 XML. For many applications, extracting the records from the HTML file  
 using a data extraction method, ODE (Ontology-assisted ...

**Keywords:** Domain ontology, data value alignment, label assignment

## [Visualization based policy analysis: case study in SELinux](#)

Wenjuan Xu, Mohamed Shehab, Gali-Joon Ahn

June 2008 **SACMAT '08**: Proceedings of the 13th ACM symposium on Ac


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (954.68 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 135, Downl

Determining whether a given policy meets a site's high-level security gc  
nature and complexity of the policy language, and the multiple policy vi  
propose a visualization-based ...

## 5 [Building a web warehouse for accessibility data](#)

 Christian Thomsen, Torben Bach Pedersen

November 2006 **DOLAP '06**: Proceedings of the 9th ACM international work

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (181.96 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 21, Downloads (12 Months): 152, Downl

As more and more information is available on the web, it is a problem tl  
accessible, i.e., are not usable for users with special needs. For example  
should give text alternatives (i.e., ...

**Keywords:** accessibility, web warehouse

## 6 [Finding application errors and security flaws using PQL: a program c](#)

 Michael Martin, Benjamin Livshits, Monica S. Lam

October 2005 **OOPSLA '05**: Proceedings of the 20th annual ACM SIGPLAN  
programming, systems, languages, and applications

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (317.30 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 166, Downl


A number of effective error detection tools have been built in recent yea  
certain design rules. An important class of design rules deals with seque  
related objects. This paper ...

**Keywords:** SQL injection, bug finding, pattern matching, program trac

Also published in:

October 2005 **SIGPLAN Notices** Volume 40 Issue 10

## 7 [Building data integration queries by demonstration](#)

 Rattapoom Tuchinda, Pedro Szekely, Craig A. Knoblock

January 2007 **IUI '07**: Proceedings of the 12th international conference on

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (417.22 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 33, Downloads (12 Months): 91, Downlo


The magnitude of data available on the web prompts the need for an ea  
users to integrate data from multiple web sources in an intelligent fashi  
has resulted in different query ...

**Keywords:** information integration, intelligent query interface, query b

## 8 [Changing how people view changes on the web](#)

 Jaime Teevan, Susan T. Dumais, Daniel J. Liebling, Richard L. Hughes  
October 2009 **UIST '09**: Proceedings of the 22nd annual ACM symposium on user interface technology

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (1.15 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 38, Downloads (12 Months): 76, Downloads (All Time): 1,234

The Web is a dynamic information environment. Web content changes rapidly and frequently. But the tools used to access the Web, including browsers and search engines, do not support these dynamics. In this paper, we describe a new approach to supporting dynamic information environments. We present a new tool, called WebChange, that supports dynamic information environments by providing a dynamic query interface that can be used to access dynamic information sources. WebChange is designed to support dynamic information environments by providing a dynamic query interface that can be used to access dynamic information sources.

**Keywords:** change, dynamic information, re-finding, revisitation, web information

## 9 [Guiding queries to information sources with InfoBeacons](#)

[Brian F. Cooper](#)

October 2004 **Middleware '04**: Proceedings of the 5th ACM/IIFP/USENIX international conference on middleware

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (315.55 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 12, Downloads (All Time): 1,234

The Internet provides a wealth of useful information in a vast number of domains. However, it is difficult to determine which sources are useful for a given query. Most existing systems rely on explicit source cooperation (for example, by providing a list of sources to query) to determine which sources are useful for a given query. In this paper, we describe a new approach to determining which sources are useful for a given query. We present a new tool, called InfoBeacons, that supports dynamic information environments by providing a dynamic query interface that can be used to access dynamic information sources.


**Keywords:** integration, peer-to-peer search, source discovery

## 10 [Satisfiability and relevance for queries over active documents](#)

 Serge Abiteboul, Pierre Bourhis, Bogdan Maricov

June 2009 **PODS '09**: Proceedings of the twenty-eighth ACM SIGMOD-SIGACT symposium on principles of database systems

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (420.99 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 75, Downloads (All Time): 1,234

Many Web applications are based on dynamic interactions between Web information. Such a situation arises for instance in mashup systems [22] and autonomous systems [6]. This is a challenging problem. In this paper, we describe a new approach to supporting dynamic information environments. We present a new tool, called WebChange, that supports dynamic information environments by providing a dynamic query interface that can be used to access dynamic information sources.

**Keywords:** active XML, query satisfiability, relevance

## 11 [An interactive clustering-based approach to integrating source query](#)

 Wensheng Wu, Clement Yu, AnHai Doan, Weiwei Meng

June 2004 **SIGMOD '04**: Proceedings of the 2004 ACM SIGMOD international conference on management of data

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (227.85 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 134, Downloads (All Time): 1,234

An increasing number of data sources now become available on the Web. However, it is difficult to determine which sources are useful for a given query. Most existing systems rely on explicit source cooperation (for example, by providing a list of sources to query) to determine which sources are useful for a given query. In this paper, we describe a new approach to determining which sources are useful for a given query. We present a new tool, called InfoBeacons, that supports dynamic information environments by providing a dynamic query interface that can be used to access dynamic information sources.


coverage or querying capabilities. ...

## 12 [Aiding knowledge capture by searching for extensions of knowledge](#)

 David B. Leake, Ana Maguitman, Thomas Reichherzer, Alberto J. Cañas, M. Brenes, Tom Eskridge

October 2003 **K-CAP '03**: Proceedings of the 2nd international conference on

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (458.76 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 76, Downloads

Electronic concept mapping tools empower experts to play an active role and provide a medium for building richly connected multimedia *knowledge* maps and resources about a particular ...

**Keywords:** case-based reasoning, concept mapping, context, knowledge engineering and modeling methodologies, knowledge management environments

## 13 [An enhanced model for searching in semantic portals](#)

 Lei Zhang, Yong Yu, Jian Zhou, ChenXi Lin, Yin Yang

May 2005 **WWW '05**: Proceedings of the 14th international conference on

**Publisher:** ACM


Full text available:  Pdf (230.36 KB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 104, Downloads

Semantic Portal is the next generation of web portals that are powered improved information sharing and exchange for a community of users. ( Semantic Portals are limited to keyword-based ...

**Keywords:** fuzzy description logic, fuzzy reasoning, information retrieval

## 14 [Contextual web history: using visual and contextual cues to improve](#)

 Sungjoon Steve Won, Jing Jin, Jason L. Hong

April 2009 **CHI '09**: Proceedings of the 27th international conference on

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (1.05 MB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 47, Downloads (12 Months): 321, Downloads

While most modern web browsers offer history functionality, few people pages. In this paper, we present the design and evaluation of Contextual history implementation which improves ...

**Keywords:** re-finding, revisitation, web browser, web history

## 15 [Measuring and characterizing end-to-end Internet service performance](#)

 Ludmila Cherkasova, Yun Fu, Wenting Tang, Amin Vahdat

November 2003 **Transactions on Internet Technology (TOIT)**, Volume 3

**Publisher:** ACM  [Request Permissions](#)


Full text available:  Pdf (1.46 MB) Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 168, Downloads


Fundamental to the design of reliable, high-performance network service performance characteristics of the service as perceived by the client population measuring such end-to-end service performance ...

**Keywords:** End-to-end service performance, QoS, network packet trac of web page composition, web site performance

# 16 [PageTailor: reusable end-user customization for the mobile web](#)

 [Nilton Bila, Troy Ronda, Iqbal Mohamed, Khai N. Truong, Eyal de Lara](#)  
June 2007 **MobiSys '07**: Proceedings of the 5th international conference services

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (1.27 MB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 89, Download


Most pages on the Web are designed for the desktop environment and r available on handheld devices. We introduce Reusable End-User Custom end users adapt the layout of Web pages by ...

**Keywords:** customization, end-user, mobile web, small screen

# 17 [Metis: lightweight, flexible, and Web-based workflow services for dig](#)

 [Kenneth M. Anderson, Aaron Andersen, Neel Wadhvani, Laura M. Bartolo](#)  
May 2003 **JCDL '03**: Proceedings of the 3rd ACM/IEEE-CS joint conferen

**Publisher:** IEEE Computer Society


Full text available:  [Pdf](#) (154.93 KB)

Additional Information: [full citation](#), [abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 30, Download

The Metis project is developing workflow technology designed for use in assumptions made by traditional workflow systems. In particular, digita stake-holders who nevertheless ...

# 18 [Through different eyes: assessing multiple conceptual views for quer](#)

 [Wolf-Tilo Balke, Matthias Wagner](#)  
May 2004 **WWW Alt. '04**: Proceedings of the 13th international World V papers & posters

**Publisher:** ACM

Full text available:  [Pdf](#) (187.01 KB)


Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 44, Download

We present enhancements for UDDI / DAML-S registries allow-ing coop services with a focus on personalization. To find the most useful service explicit parameters of the request ...

**Keywords:** cooperative service discovery, personalization, preference-l web, user profiling, web services

# 19 [Downloading textual hidden web content through keyword queries](#)

 [Alexandros Ntoulas, Petros Zerfos, Junghoo Cho](#)  
June 2005 **JCDL '05**: Proceedings of the 5th ACM/IEEE-CS joint conferen

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (278.40 KB)

Additional Information: [full citation](#), [abstract](#)


**Bibliometrics:** Downloads (6 Weeks): 28, Downloads (12 Months): 140, Downl

An ever-increasing amount of information on the Web today is available users have to type in a set of keywords in a search form in order to acc

These pages are often referred to ...


**Keywords:** adaptive algorithm, deep web crawler, hidden web crawling

**20** [Distributed hash sketches: Scalable, efficient, and accurate cardinali](#)

 [N. Ntarmos, P. Triantafillou, G. Weikum](#)

February 2009 **Transactions on Computer Systems (TOCS)**, Volume 27 Is

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (2.90 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 31, Downloads (12 Months): 308, Downl


Counting items in a distributed system, and estimating the cardinality of a large variety of applications and a fundamental building block for emerging systems. Examples of such applications ...

**Keywords:** Distributed estimation, distributed cardinality estimation, distributed information systems, hash sketches, peer-to-peer networks

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